

Translation

PATENT COOPERATION TREATY

PCT/JP2003/005640



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 903098	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP2003/005640	International filing date (day/month/year) 02 May 2003 (02.05.2003)	Priority date (day/month/year) 15 May 2002 (15.05.2002)
International Patent Classification (IPC) or national classification and IPC G06F 3/14, G06T 13/00		
Applicant SHARP KABUSHIKI KAISHA		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of <u>5</u> sheets, including this cover sheet. <input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of <u>4</u> sheets.
3. This report contains indications relating to the following items: I <input checked="" type="checkbox"/> Basis of the report II <input type="checkbox"/> Priority III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV <input type="checkbox"/> Lack of unity of invention V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI <input checked="" type="checkbox"/> Certain documents cited VII <input type="checkbox"/> Certain defects in the international application VIII <input type="checkbox"/> Certain observations on the international application

Date of submission of the demand 24 July 2003 (24.07.2003)	Date of completion of this report 04 February 2004 (04.02.2004)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP2003/005640

I. Basis of the report

1. With regard to the elements of the international application:*

- ☐ the international application as originally filed
- ☒ the description:
pages 1-13, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☒ the claims:
pages 2,4,7,9,12,14,16, as originally filed
pages _____, as amended (together with any statement under Article 19
pages _____, filed with the demand
pages 1,3,5,6,8,10,11,13,15, filed with the letter of 05 December 2003 (05.12.2003)
- ☒ the drawings:
pages 1/9-9/9, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
pages _____, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP03/05640

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims	1-16	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	1-16	NO
Industrial applicability (IA)	Claims	1-16	YES
	Claims		NO

2. Citations and explanations

Document 1: JP, 11-296157, A (Hitachi, Ltd.)

Document 2: JP, 9-282249, A (NEC Corp.)

Document 3: JP, 62-144279, A (Matsushita Electric Industrial Co., Ltd.)

Document 1 cited in the ISR discloses a graphic display control apparatus that produces 30 screen display scenes per second and displays animations, in which the graphic processing of a graphic form not completed within a certain time is cancelled, characterized in that (1) priority is given to the graphic forms depicted in one scene, (2) a means for dynamically changing the priority in the graphic processing of one scene is provided, and (3) a graphic form higher in priority than other graphic forms is depicted first.

Document 2 cited in the ISR discloses a three-dimensional shape communication system in which a user's terminal capable of displaying three-dimensional images on the screen (1) requests a shape producing means capable of producing and sending shape descriptions to send a three-dimensional shape description through a communication channel and (2) receives it, characterized in that (A) the said user's terminal is provided with a declaration means for notifying its capability of displaying three-dimensional shape descriptions, and (B) when the said shape producing means receives a request for sending a three-dimensional shape description from the said user's terminal, it (1) produces the requested three-dimensional shape description, (2) judges the detail degree of the produced three-dimensional shape description, (3) receives the notification on the display capability of the requesting user's terminal, (4) simplifies the produced three-dimensional shape description to the shape detail degree suitable for the received display capability notification, and (5) sends the simplified three-dimensional shape description to the requesting user's terminal.

Document 3 cited in the ISR discloses an image producing apparatus capable of producing a dynamic image at a high speed, comprising (1) a dynamic image accuracy deciding section for deciding the image production accuracy lowered to such an extent that the degradation of image quality cannot be recognized with the dynamic visual acuity characteristics of eyes, and (2) a variable accuracy image producing section for producing an image with the number of frames and the number of pixels per second of the dynamic image decreased to such an extent that the degradation of image quality cannot be recognized with the eyes, in reference to the dynamic image accuracy information given from the said dynamic image accuracy deciding section, in order that the operation volume necessary for producing the dynamic image can be decreased compared with the case of obtaining the colors and luminance values of all the pixels of all the frames of the dynamic image, for producing the dynamic image at a high speed.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP03/05640

VI. Certain documents cited

1. Certain published documents (Rule 70.10)

<u>Application No. Patent No.</u>	<u>Publication date (day/month/year)</u>	<u>Filing date (day/month/year)</u>	<u>Priority date (valid claim) (day/month/year)</u>
JP 2002-260004 A [P]	13.09.2002	06.03.2001	

2. Non-written disclosures (Rule 70.9)

<u>Kind of non-written disclosure</u>	<u>Date of non-written disclosure (day/month/year)</u>	<u>Date of written disclosure referring to non-written disclosure (day/month/year)</u>

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP03/05640**Supplemental Box**

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of : V.2

The subject matters of claims 1, 2, 6, 7, 11, 12 and 16 do not appear to involve an inventive step in view of documents 1 and 2. Document 1 does not disclose that some objects are not displayed based on complexity, but this matter is disclosed in document 2 as simplification of detail degree.

The subject matters of claims 3, 4, 8, 9, 13, 14 and 16 do not appear to involve an inventive step in view of documents 1 and 2. Document 2 does not disclose that animation display is performed, but this matter is disclosed in document 1.

It is obvious to a person skilled in the art from the description of document 2, that it is necessary to select one detail degree when plural detail degrees suitable for a capacity are presented as a result of decision. Establishing any priority is a mere matter a person skilled in the art could have decided as required.

The subject matters of claims 5, 10, 15 and 16 do not appear to involve an inventive step in view of documents 1 and 3. Document 1 does not disclose that control is made in such a manner that some frames are not displayed based on complexity. However, with regard to this matter, document 3 describes to the effect that an image is produced with the number of frames per second of a dynamic image decreased in reference to dynamic image accuracy information, to such an extent that the degradation of image quality cannot be recognized with the eyes.